Form PTO-1449 (Rev. 2-32)	U Pepartment of Commerce ent & Trademark Office	•	PE Serial No.
	DISCLOSURE STATEMENT eral sheets if necessary)	ASI0004 Applicant	09/598,750
		·	GEDDES, et al.
		Filing Date June 22, 2000	Group 212 -2761

			June 22, 2000		2761	
		U.S. PATEN	IT DOCUMENTS			
Examiner Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)
A	6,049,742	4/11/00	Milne, et al.	700	99	9/26/97
A	6,026,375	2/15/00	Hall, et al.	705	26	12/5/97
CA .	6,012,152	1/4/00	Douik, et al.	714	26	8/21/97
91	6,012,051	1/4/00	Sammon, Jr., et al.	706	52	2/6/97
A	6,012,044	1/4/00	Maggioncalda, et al.	705	36	5/25/99
A	6,006,192	12/21/99	Cheng, et al.	705	7	3/12/97
A	5,983,200	11/9/99	Slotznick	705	26	10/6/97
A	5,974,395	10/26/99	Bellini, et al.	705	9	8/21/96
A.	5,963,447	10/5/99	Kohn, et al.	364	148.04	8/22/97
9	5,953,707	9/14/99	Huang, et al.	705	10 ·	2/21/97
H	5,918,207	6/29/99	McGovern, et al.	705	1	5/1/96
CH	5,905,715	5/18/99	Azarmi, et al.	370	244	9/1/95
Ak.	5,893,083	4/6/99	Eshghi, et al.	706	45	3/19/96
A	5,845,258	12/1/98	Kennedy	705	8	6/16/95
A	5,754,850	5/19/98	Janssen	395	615	12/10/96
Ø	5,732,398	3/24/98	Tagawa	705	5	11/9/95
A	5,724,263	3/3/98	Raguram, et al.	364	552	5/30/97
Jan 1	5,712,960	1/27/98	Chiopris, et al.	395	77	4/15/96
A	5,706,406	1/6/98	Pollock	395	55	5/22/95
4	5,644,727	7/1/97	Atkins	395	240	12/6/94
A .	5,586,254	12/17/96	Kondo, et al.	395	200.1	2/16/93
#	5,583,763	12/10/96	Atcheson, et al.	364	551.01	9/9/93
9	5,550,746	8/27/96	Jacobs	364	479.01	12/5/94
- St	5,434,952	7/18/95	Yen, et al.	395	50	6/26/92
Jr	5,428,619	6/27/95	Schwartz, et al.	371	20.1	11/14/94
VA	5,406,477	4/11/95	Harhen	364	401	6/10/94

	598,24						Sheet 2 of	
*		5,359,649	10/25/94	Rosu, et al.	379	220	10/2/91	
\mathcal{A}		5,299,287	3/29/94	Tsuruta, et al.	395	51	2/21/92	
\overline{A}		5,167,010	11/24/92	Elm, et al.	395	50	8/3/89	
W		4,881,230	11/14/89	Clark, et al.	OBPIE	20.1	10/5/87	
		F	OREIGN PAT	ENT DOCUMENT	S			
<u> </u>					AN 1 1 2001	4		
	L OT	HER DOCUMEN	 FS (Including)	Author, Title, Date,	Pertinent Pag	es-Etc.)		
<u>്</u>			The second secon	rn Materials Handli	Salar	Property Commencer and the second	uary, 2000.	
				ng," World Trade,				
4	8							
Q				d Kizza, C. S., (1998) onal Conference on	-			
(X	'	October 11-14, 19			o j storiis, rvidi	i aid Cybel	.11011009	
<u> </u>		<u>.</u>		. (1998) Intelligent	Control for A	lutomated V	ehicles: A	
¥	-		-	rdination of Multip				
				ium and Exhibition,				
7		· · · · · · · · · · · · · · · · · · ·		ling Electronic Mar	_		_	
*		Kit, Agent Mediated Electronic Commerce, First International Workshop on Agent Mediated Electronic Trading, AMET-98, May 10, 1998, Minneapolis, MN.						
<u></u>				e Lightweight Associ			ter Pilotage	
#	•			ems Conference, O		_	er i notage,	
Q.J				Systems: A Frame		-	e	
*1		Cooperation, HCI	Conference, A	August 24-29, 1997,	San Francisc	o, CA		
Q#		· ·	· ·	entered Approaches	to Mixed Ini	tiative Plan	ning, May 6	
74	(1997, DARPA P&		: M D C15	Pl A1 *41	" (7	• ,•	
A		of the ACM, v. 40,	-	is More Powerful	inan Algoriti	ims," Comn	nunications	
<u>.</u>	+			le Models of Coope	rative and H	ostile Intent	ions IEEE	
*			, –	Conference and Wo				
		•		ch 24-28, 1997, Mo	=		•	
$\overline{\Omega}$				ent Agents: Interne		nhancers, 1	9 th Annual	
4	١,			nference, PTC '97, p	-			
#		"Smart Move in a	Networked W	orld," <i>Computer Re</i>	seller News,	1997, n. 73	l, p. 117.	
$\overline{\bigcirc}$		Ross, Julie Ritzer,	"Intelligent A	gent" Test Probes (Consumers' C	n-Line Sho	pping Needs	
XT		Stores, v. 78, n. 11						
0				(1996) A Shared M	•	•	_	
T	`	_	al Avionics Sy	stems Conference,	179-184, Oct	ober 27-31,	1996,	
		Atlanta, GA	T11	E: Tl4 Cl	August Datas	lina Eassa	on I Indones	
1				Fingers That Shop . on the Internet, Fina				
T		September 24, 199	-	m me miernet, i me			ιюп, μ. 1т,	
$\overline{\mathcal{A}}$		*		w Electronic Merch	ants Can Bet	ter Target C	ustomers,"	
41	\	_		n. 17, p. 1(2), Septe		_		
				Internet Privacy Iss				

0 '		Experiment Examines How Electronic Merchants Can Better Target Customers in
V.		'Cyberspace," Business Wire, p. 8271291, August 27, 1996.
		Renwei, Li and Pereira, L. M., Knowledge-Based Situated Agents Among Us, Intelligent
		Agents III, Agent Theories, Architectures and Languages, ECAI '96 Workshop, August
4		12-13, 1996, Budapest, Hungary.
\bigcirc 4		Laborie, P. and Ghallab, M., Planning With Sharable Resource Constraints, IJCAI-95
		Proceedings of the 14th International Joint Conference on Artificial Intelligence, vol. 2,
\mathcal{O}	*	pp. 1643-9, August 20-25, 1995, Montreal, Quebec, Canada.
\bigcap_{a}		Correll, James G., "Re-Engineering the MRP II Environment: The Key is Successfully
Y	1	Implementing Change," IIE Solutions, v. 27, n. 7, pp. 24-27, July, 1995.
Ω		Shalin, V. L. and Geddes, N. D., (1994) Task Dependent Information Management in a
#	_ 0_ /	Dynamic Environment: Concept and Measurement Issues, IEEE 1994.
\bigcap		Geddes, N. D., (1994) A Model for Intent Interpretation for Multiple Agents with
V	-	Conflicts, IEEE International Conference on Systems, Man and Cybernetics, October 2-5,
=		1994, San Antonio, TX
0		Soutchanski, M. and Ternovskaia, E., Logical Formalization of Concurrent Actions for
Y		Multi-Agent Systems, Intelligent Agents, ECAI-94 Workshop on Agent Theories,
	•	Architectures and Languages, August 8-9, 1994, Amsterdam, Netherlands.
2)	,	Etzioni, Oren and Weld, Daniel, "A Softbot-Based Interface to the Internet,"
N.	<u>'</u>	Communications of the ACM, v. 37, n. 7, pp. 72-76, July, 1994.
		Eklund, Peter W., "Research Developments in Multiple Inheritance with Exceptions,"
<u>A</u>		The Knowledge Engineering Review, v. 9, n. 1, pp. 21-55, March, 1994.
~		Shalin, V. L., Geddes, N. D., Mikesell, B., and Ramamurthy, M., (1993) Evidence for
()		Plan-Based Performance and Implications for Information Management on the
X	1	Commercial Aviation Flight Deck, 4th International Conference on Human-Machine
<u> </u>		Interaction and AI in Aerospace, September, 1993, Toulouse, France
10		Shalin, V. L., Geddes, N. D., et al., (1993) Expertise in Dynamic Physical Task Domains.
#	,	To appear in Feltovich, P., for, K. & Hoffman, R. (Eds.), Expertise in Context: Human
<u></u>		and Machine
$\cap d$		Miller, C. A., Shalin, V. L., Geddes, N. D., and Hoshstrasser, B., (1992) Plan-Based
MA	1	Information Requirements: Automated Knowledge Acquisition to Support Information
47)		Management in an Intelligent Pilot-Vehicle Interface, Proceedings of the 11th Digital
	-	Avionics Systems Conference, Seattle, WA, 1992
$()_{I}$		Geddes, N. D., Pullum, L., and Hoffman, M. A., (1992) Intelligent Interfaces in
H	,	Command and Control Systems, Proceedings of IEEE Conference on C31 Technology
	ļ	and Applications, June 1-4, 1992, Rome, NY Shalim V. L. Millan C. A. Caddag N. D. Hashatrasaan B. D. and Lavi V. B. (1992)
(-)	,	Shalin, V. L., Miller, C. A., Geddes, N. D., Hoshstrasser, B. D., and Levi, K. R., (1992)
7		AI Plan as Indicators of Human Information Requirements Coddon N. D. and Hammon J. M. (1991) "Automatic Display Management Using
\bigcap	,	Geddes, N. D., and Hammer, J. M., (1991) "Automatic Display Management Using
H		Dynamic Plans and Events," <i>Proceedings of the 6th Symposium on Aviation Psychology</i> ,
↑		May 6-11, 1991, Columbus, OH
\cap	\	Edwards, G. R., and Geddes, N. D., (1991) "Deriving a Domain-Independent Architecture
(A)		for Associate Systems From Essential Elements of Associate Behavior," Associate
7 "		Technology: Opportunity and Challenges, Lehner, P. E. (Editor), Fairfax, VA: George
O 4		Mason University, June, 1991, pp. 17-29
(V)	١,	Lizza, C. S., Banks, S. B., (1991) Pilot's Associate: A Cooperative, Knowledge-Based
*1		System Application, DARPA Strategic Computing Initiative, IEEE Expert, June, 1991

•

		_	010	
Serial No. '09/	598,7	50	Sheet 4 of 4	
. ()IT		Chandrasekaran, B., Bhatnagar,	R., and Sharma, D. D., "Real-Time Desturbance Control," 34, n. 8, p. 32(16), August, 1991.	
<u> </u>	`			
~ 1		Shalin, V. L., Geddes, N. D., Ho	shstrasser, B. D., Miller, C. A., Levi, R., and	
\mathcal{A}	-		rds a Theory of Pilot Information Requirements During	
1 0			n," Proceedings of CERT 90, Toulouse, France	
\bigcap			., (1990) "A Plan and Goal Based Method for Computer-	
#	3		Computer Interaction: INTERACT 90, New York:	
		North Holland, 283-288	170	
A			d Hammer, J. M., (1990) "Computer-Aided Fighter	
<u> </u>		Pilots," IEEE Spectrum, March,		
\bigcirc	į	•	A., (1990) "Supervising Unmanned Roving Vehicles	
₩.	s.		" Proceedings of the 1990 Space Operations and	
		Robotics Conference, Albuquerq		
- 1			N. D., (1989) "OPAL: Operator Intent Inferencing for	
NA I			tems," Proceedings of the IJCAI-89 Workshop on	
90	•	•	lligence in Aerospace Systems, Shalin, V. L. and Boy, G.	
		A. (Editors), August, 1989, Detro	The second secon	
Μ		l .	d Neste, L. O., (1989) "Information Management with a	
4 1			Proceedings of the National Computer Graphics	
		Association, Washington, DC	and Geddes, N. D., (1988) "Information Display	
α l			tte," Proceedings of the 1988 Aerospace Applications of	
4	\ '	Artificial Intelligence Conference		
			d Rouse, E. B., (1987) "Initial Evaluation of an	
\sim 1			s of Complex Systems." In G. Salvendy (Eds), Cognitive	
#	`	Engineering in the Design of Human-Computer Interaction and Expert Systems (551-		
Ŭ		558), New York: Elsevier.		
<u> </u>			d Curry, R. E., (1987) "An Architecture for Intelligent	
\mathcal{A}	د		ach to Supporting Operators of Complex Systems,"	
76		Human-Computer Interaction, 3		
1		Hammer, J. M. and Geddes, N. I	D., (1987) Design of an Intelligent Monitor for Human	
9		Error in a Complex System, Pape	er presented at AIAA Computers in Aerospace VI	
۲ پ	,	Conference, Wakefield, MA.		
~		Geddes, N. D., (1986) "The Use	of Individual Differences in Inferring Human Operator	
W.	•	Intentions," Proceedings of the S	Second Annual Aerospace Applications of Artificial	
		Intelligence Conference, 30-41.		
\Box	,		ferencing Using Scripts and Plans," Proceedings of the	
A		First Annual Aerospace Applicat	tions of Artificial Intelligence Conference, 160-172.	
EXAMINER	($\rightarrow 1/(1)$	DATE CONSIDERED,	
	X	J 1/1/4-1	6/19/23	
	,	J41/11'		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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ile t	1	of	2	Attorney Docket Number	ASI0004-US				

				U.S. PATENT DOCUM	MENTS	
	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials *	Cite No. ¹	Number	Kind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
XIA	A1	54427	31	Tanaka et al.	08-15-1995	
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FOREIGN PATENT DOCUMENTS										
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Substitute for form 1449A/PTO Complete if Known **Application Number** 09/598 750 ₭ÀFORMATION DISCLOSURE 06/22/2000 Filing Date 2002STATEMENT BY APPLICANT First Named Inventor **GEDDES** Group Art Unit 2761 (use as many sheets as necessary) **Examiner Name** Not Assigned ASI0004-US heet Attorney Docket Number

Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
A	B1 ,	Naoki KANAI, Shinji YOKOI, Koichi FUKUNAGA, and Yoshio TOZAWA, "An Expert System To Assist Production Planning", International Workshop on Artificial Intelligence for Industrial Applications 1998, IBM Research, Tokyo Research Laboratory, pp. 219-224.	
,		JAN 1 Technology Co	A D
		JAN 1	
		Technology	2002
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include coop of this form with next communication to applicant.

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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Form PTO-1449 (Rev. 2-32) U.S. Department of Commerce Patent & Trademark Office INFORMATION DISCLOSURE STATEMENT				Atty. Docket No. ASI0004-US Serial No. 09/598,750			
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				Filing Date June 22,	, 2000	Group	2121 2761
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	-						
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Form PTO-1449 (Rev. 2-32) U.S. Department of Commerce Patent & Trademark Office INFORMATION DISCLOSURE STATEMENT			Atty. Docket No. ASI0004-US		Serial No. 09/598,750		
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				Filing Date June 22, 2000		Group	217/ 2761
U.S. PATENT DOCUMENTS							
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
#	,	Preliminary Examination Report for Application No. PCT/US01/19716, dated July 22, 2002 (mailing date).					
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.							

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